Residential Gas Water Heaters

ProMax® PLUS
HIGH EFFICIENCY

PROMAX PLUS HIGH EFFICIENCY FEATURES

MEETS ENERGY-EFFICIENCY REQUIREMENTS FOR MOST GAS UTILITY REBATE PROGRAMS
2"-thick CFC-free foam insulation, external heat traps and other energy-saving features produce minimum .62 Energy Factor, which meets Energy Star Home Program recommendations and California Title 24 requirements.

6-YEAR LIMITED TANK AND PARTS WARRANTY
For complete information, consult written warranty or A.O. Smith Water Products Company.

A.O. SMITH DYNACLEAN™ DIFFUSER DIP TUBE
Helps reduce lime and sediment buildup, maximizes hot water output. Made from long-lasting PEX cross-link polymer.

GREEN CHOICE™ GAS BURNER
Patented "eco-friendly" design reduces NOx emissions by up to 33%, complies with Southern California and Texas requirements.

COREGARD™ ANODE ROD
An A.O. Smith exclusive. Aluminum anode has stainless steel core, protects tank against corrosion longer than ordinary mild steel anodes.

PUSH-BUTTON PIEZO IGNITER
Makes lighting pilot fast and easy with one-hand push-button spark ignition. Standard on C3 Technology™ models.

DURABLE TAMPER-RESISTANT BRASS DRAIN VALVE

A.O. SMITH PERMAGLAS® GLASS COATING
Protects steel tank from rust.

FACTORY-INSTALLED TEMPERATURE AND PRESSURE (T&P) RELIEF VALVE
Top-mounted T&P valve available as option on all models.

CODE COMPLIANCE: UBC, CEC, SBCC, CABO, HUD, BOCA NATIONAL CODES, ASHRAE/IES 90.1-1999 AND 2004 NAECA

DESIGN-CERTIFIED BY CSA INTERNATIONAL
According to ANS Z21.10.1 standards governing storage-type water heaters.

EQUIPPED WITH C3 TECHNOLOGY
See other side.

SERIES 100/101

DESIGN CERTIFIED

CORDERITE COMBUSTION CONTAINMENT C3 TECHNOLOGY™

Green Choice™
The Eco-Friendly Gas-Fired Burner

Revised May 2008
AOSRG45300

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ProMax® PLUS SERIES 100/101
HIGH EFFICIENCY

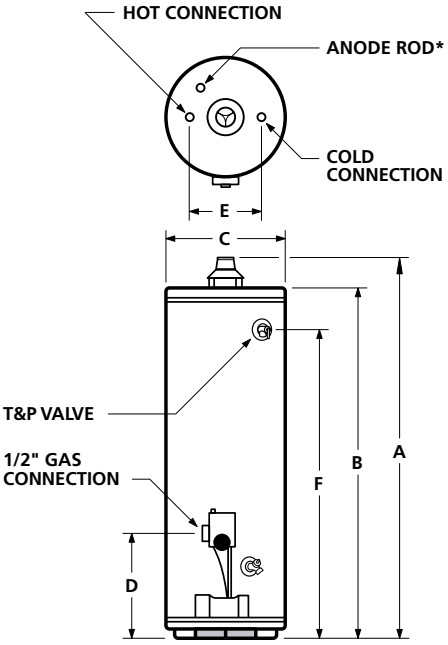
MODEL NUMBER	SERIES	FIRST HOUR RATING GALLONS	ENERGY FACTOR	GAL. CAP.	BTU INPUT PER HOUR NATURAL	RECOVERY 90°F RISE GALLONS PER HOUR	R VALUE	DIMENSIONS IN INCHES						DRAFT HOOD OUTLET	APPROX. SHIPPING WEIGHT (LBS)
								A	B	C	D	E	F		
GVR-30	100/101	66	.63	30	40,000	41	16	62-3/8	58	18	13-3/8	8	51-7/8	3 or 4	126
GVR-40	100/101	71	.62	40	40,000	41	16	59-7/8	55-1/2	20-1/2	13-3/8	8	48-7/8	3 or 4	137
GVR-50	100/101	80	.62	50	40,000	41	16	60-7/8	56-1/2	22	13-3/8	8	50-3/8	3 or 4	172

Recovery capacity based on actual performance tests.
Water Connections – 3/4" on all models.
† Propane Gas – 37,000 BTU input on all models.
For 10-Year Tank and 6-Year Parts Warranty, change "G" to "X" in Model Number (example: XVR-30).

Flammable Vapor Ignition Resistant C3 Technology™ Water Heaters

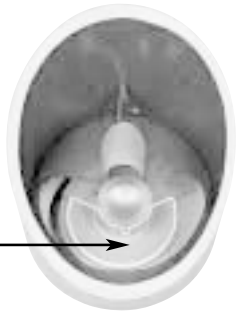
Corderite Combustion Containment (C3) design meets American National Standards Institute standards (ANS Z21.10.1) that deal with the accidental or unintended ignition of flammable vapors, such as those emitted by gasoline.

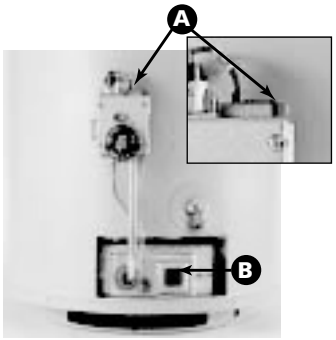
Covered by four U.S. patents, C3 Technology gas water heaters feature a sealed combustion chamber with air intake screen and a fireproof Corderite flame arrestor built into the water heater base. In addition, a thermal cutoff (TCO) device, integral with the thermocouple, is designed to shut off gas flow to the burner and pilot if poor combustion is detected.



*Location for optional top-mounted T&P Valve if ordered from factory.

If flammable vapors accidentally enter the combustion chamber, the Corderite flame arrestor is designed so flames burn off the top surface and cannot escape down through the arrestor.





A. Easy-to-light piezo igniter

B. View port for easy burner inspection inside sealed combustion chamber

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